

DETAILED ACTION

This action is in response to the Interview conducted on 16 January 2009 in which claims 1, 5-11, 13-17 are pending.

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Atty. Sukenaga on 16 January 2009.

The application has been amended as follows:

In The Claims

Claim 1 (currently amended): A [communication terminal] mobile phone including a circuit board having a ground plane, the circuit board connected to an antenna, and the circuit board contained in a casing, the [communication terminal] mobile phone, comprising: a first conductive part, formed of a conductor, and provided in the casing so as to be exposed from a rear face of the casing; a second conductive part, formed of a conductor, and provided in the casing so as to be exposed from a bottom face or side face of the casing and a passive element provided between the second conductive part and the ground plane of the circuit board, wherein the second conductive part is electrically connected to the ground plane of the circuit board through the passive element and to the first conductive part.

Claim 2 (currently amended): The [communication terminal] mobile phone as set forth in claim 1, further comprising a conductor fitting which is provided between the second conductive part and the ground plane of the circuit board, wherein the second conductive part is electrically connected to the ground plane of the circuit board through the conductor fitting.

Claims 3-4 (canceled)

Claim 5 (currently amended): The [communication terminal] mobile phone as set forth in claim 1, wherein the first conductive part and the second conductive part are formed in one piece.

Claim 6 (currently amended): A [communication terminal] mobile phone including a circuit board to which a shield case is attached on a rear face side of a casing, the circuit board connected to an antenna, and the circuit board contained in the casing, the [communication terminal] mobile phone, comprising: a conductive board, formed of a conductor, and arranged along a rear face of the casing; and a conductor part, formed of a conductor, and provided between the rear face of the casing and the circuit board, wherein the conductor part is electrically connected to the shield case and the conductive board.

Claim 7 (currently amended): The [communication terminal] mobile phone as set forth in claim 6, wherein the conductive board is arranged so as to be exposed from the rear face of the casing.

Claim 8 (currently amended): The [communication terminal] mobile phone as set forth in claim 6, wherein the conductive board and the conductor part are formed in one piece.

Claim 9 (currently amended): A [communication terminal] mobile phone including a circuit board having a ground plane, the circuit board connected to an antenna, and the circuit

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board contained in a casing, the [communication terminal] mobile phone comprising: a first conductive part, formed of a conductor, and arranged along only a lower portion of a rear face of the casing; and a second conductive part, formed of a conductor, and provided between the rear face of the casing and the circuit board;, and a passive element provided between the second conductive part and the ground plane of the circuit board, wherein the second conductive part is electrically connected to the ground plane of the circuit board through the passive element and to the first conductive part.

Claim 10 (currently amended): The [communication terminal] mobile phone as set forth in claim 9, wherein the first conductive part is provided in the casing so as to be exposed from the rear face of the casing, and wherein the second conductive part is provided in the casing so as to be exposed from a bottom face or side face of the casing.

Claim 11 (currently amended): The [communication terminal] mobile phone as set forth in claim 9, further comprising a conductor fitting which is provided between the second conductive part and the ground plane of the circuit board, wherein the second conductive part is electrically connected to the ground plane of the circuit board through the conductor fitting.

Claim 12 (canceled)

Claim 13 (currently amended): The [communication terminal] mobile phone as set forth in claim 9, wherein the first conductive part and the second conductive part are formed in one piece.

Claim 14 (currently amended): The [communication terminal] mobile phone as set forth in claim 9, further comprising a shield case attached to the circuit board.

Claim 15 (currently amended): The [communication terminal] mobile phone as set forth in claim 1, wherein the second conductive part is exposed only from the bottom face of the casing.

Claim 16 (currently amended): The [communication terminal] mobile phone as set forth in claim 1, wherein the first conductive part is exposed substantially flush with the rear face of the casing, and the second conductive part is exposed substantially flush with the bottom face of the casing.

Claim 17 (currently amended): The [communication terminal] mobile phone as set forth in claim 1, wherein the second conductive part forms a perpendicular component with the first conductive part.

Reasons For Allowance

The following is an examiner's statement of reasons for allowance:

The instant application is deemed to be directed to a nonobvious improvement over the invention of Hirano (U.S. Patent No. 7082322).

With respect to the independent claim, the nonobvious improvement comprises a mobile phone including a circuit board having a ground plane, the circuit board connected to an antenna, and the circuit board contained in a casing, the mobile phone, comprising: a first conductive part, formed of a conductor, and provided in the casing so as to be exposed from a rear face of the casing; a second conductive part, formed of a conductor, and provided in the casing so as to be exposed from a bottom face or side face of the casing and a passive element provided between the second conductive part and the ground plane of the circuit board, wherein the second

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conductive part is electrically connected to the ground plane of the circuit board through the passive element and to the first conductive part, as substantially described and connected with the other functional language recited in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHYLESHA DABNEY whose telephone number is (571)272-7494. The examiner can normally be reached on Monday through Thursday 9:00-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz can be reached on 571-272-7499. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
P O Box 1450
Alexandria, VA 22313-1450

Or faxed to:

(703) 273-8300, for formal communications intended for entry and for informal or draft communications, please label "Proposed" or "Draft" when submitting an informal amendment.

Hand-delivered responses should be brought to:

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

January 16, 2009

/PHYLESHA DABNEY/
Examiner, Art Unit 2614
/CURTIS KUNTZ/
Supervisory Patent Examiner, Art Unit 2614